



The Making IUID Cost Effective for Team Submarine

*Submarine Logistics Deputy
(07LB)
NAVSEA 07L
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Agenda

- *Purpose*
- *Team Sub Implementation Update*
- *IUID Implementation Areas of Concern*
- *Programs That have Maximized IUID*
 - *Ohio Replacement Program (PMS397L)*
 - *Towed Sensor Systems (PMS401L)*
 - *Defensive Warfare Systems (PMS415L)*
 - *Combat & Weapons Control Systems (PMS425L)*
 - *Sensor Systems (PMS435L)*
 - *VA Class Submarine Program (PMS450F)*
- *Successes / Lessons learned*
- *Team Sub's IUID Next Steps*
- *Recap / Summary*

Team Sub Implementation Update

- *Implementation Plans Drafted and Updated:*

- Last Update*

- *PMS392: 14 February 2010*
 - *PMS397: Milestone “B”*
 - *PMS399: 03 May 2009*
 - *PMS401: 16 January 2008*
 - *PMS404: 15 January 2006*
 - *PMS415: 12 January 2009*
 - *PMS425: 29 May 2007 (Draft in progress)*
 - *PMS435: 14 March 2007*
 - *PMS450: 11 November 2005 (Draft in progress)*

Team Sub Implementation Update

- Team Sub Items in IUID Registry: **16,862**
 - PMS401: **9,186**- PMS415: **835**
 - PMS425: **1,750**- PMS450: **3,500**
 - Other Team Sub Programs: **1,591**
- Team Sub items marked w/ 2D Barcode: **8,704**
 - PMS401: **528** - PMS415: **2,335**
 - PMS425: **1,750**- PMS450: **3,500**
 - Other Team Sub Programs: **1,591**
- Items marked but not in Registrar: **1,500**
- % of Items in registrar that are marked: **51.2%**

IUID Implementation Areas of Concern

- *No Funding or Resources to execute Implementation*
- *Contractor/Industry Challenges in IUID Implementation*
- *Outside Organizations impact on IUID Implementation*
 - *NAVSUP/DLA challenges with IUID for spares*
 - *Special Forces Items controlled by SOCOM*

Programs that have Maximized utility with IUID

- *Ohio Replacement Program (PMS397)*
- *Towed Sensor Systems (PMS401)*
- *Defensive Warfare Systems (PMS415)*
- *Combat & Weapons Control Systems (PMS425)*
- *VA Class (PMS450)*
 - *IUID Usage for HAZMAT*

Ohio Replacement Program (PMS397L)

- *Ohio Replacement Program intends to leverage the VA Class IUID Program*
- *Systems Engineering Plan (SEP) summarizes the ORP IUID Implementation and was presented at Milestone “A”*
- *The IUID implementation Plan will be an annex of the SEP by Milestone “B”*
- *ORP will require the shipbuilder to mark and register CFE items and all qualifying items defined in the DOD Inst 8320.04*
- *Goal for the ORP is to ensure that the IUID identifications supports the submarine Force’s effort to utilize IUID to support maintenance actions*

POC: (202) 781-3424

Towed Sensor Systems (PMS401L)

- *Program Items in the Registry: **9,186***
- *Number of items marked with 2D Barcode: **528***
- *Number of Systems ID for IUID marking: **2 Systems***
- *Cost Effective Actions:*
 - *Manufacturing and Repair activities are currently marking equipment. NATSC (TB-23) is have great IUID success.*
 - *Normal operations, using 2D Barcode in place previous tracking lable*
- *Challenges:*
 - *Variation in the types of 2D markings used by different contractors*
 - *Markings coming off items (exploring better methods to mark items)*
- *Next Steps*
 - *Resolve loss of markings or develop different type of 2D label*
 - *Finalize plan for depots to mark items during refurbishment*

POC: (202) 781-1894

Defensive Warfare Systems (PMS415L)

- *Program Items in the Registry: **700***
- *Number of items marked with 2D Barcode: **2200***
- *Number of Systems ID for IUID marking: **4 Systems***
- *AN/SLQ-25 “Nixie” and Countermeasure programs are leveraging installation activities to mark legacy items. Will load 1500 legacy items to the registry this quarter.*
- *Nixie Contractor great success using DD250 WAWF process*
- *Challenges:*
 - *Costs, POMed for resources, denied but requirement continues to build*
 - *Funded programs are the priority, IUID policy has no fiscal backing*
- *Next Steps*
 - *Upload legacy Nixie items to the registry*
 - *ID marking Strategy for Energetic Components*

POC:

- (202) 781- 1212

Combat & Weapons Control Systems (PMS425L)

- *Program Items in the Registry: **1,750***
- *Number of items marked with 2D Barcode: **1,750***
- *Number of Systems ID for IUID marking: **5 Systems***
- *Contractors have been funded to marking items w/ 2D barcode, it is almost an automatic for vendors*
- *All contracts and future contracts have IUID clause*
- *Challenges:*
 - *Initial challenge with contractor and funding **(Resolved)***
 - *Program unsure of return on investment*
- *Next Steps*
 - *Better Utilization of the 2D barcode*
 - *More Direction from leadership on IUID Goals*

POC: (202) 781-1290

Sensor Systems (PMS435L)

- *Program Items in the Registry: **589***
- *Number of items marked with 2D Barcode: **591***
- *Number of Systems ID for IUID marking: **9 Systems***
- *Legacy Contracts for AN/WLR-8, AN/BRD-7 and ISIS did not have IUID Clause*
- *All other contracts and future contracts have IUID clause*
- *Challenges:*
 - *Initial Contractor Push Back (**Now Contractors and Subs on Board**)*
 - *Funding equipment, labor and training*
 - *Lack of interrogators/scanners at IMA sites*
- *Next Steps*
 - *All systems compliant by end of FY-11,*
 - *Leverages lessons learned to keep costs low*

POC: (202) 781 -1410

VA Class Submarine Program (PMS450F)

- Program Items in the Registry: **3,500**
- Number of items marked with 2D Barcode: **3,500**
- Number of Systems ID for IUID marking: **12 Systems**
- Cost Effective Actions:
 - The COATS facility is marking items with 2D Barcode for SSN 782
 - EB in final stage of planning marking for BLK III (SSN 784 and later)
 - Price negotiation was part of contract
- Challenges:
 - Initial contractor push back (**EB onboard, 3 Options for BLK III IUID implementation**),
 - Funded programs ahead of IUID implementation
- Next Steps
 - Select option for Block III marking
 - Finalize Implementation Plan

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Successes / Lessons Learned

- *HAZMAT is a model for other sub systems*
- *Towed Systems (401) have had great success marking Items*
 - *Leadership onboard, program already individually tracking items (Cost Effective)*
 - *2D barcode was accepted by vendor (Cost effective)*
- *Combat & Weapon Systems (425) started implementation in FY07*
 - *Contractor provides a marking plan using IUID as part of the label plate (Cost effective action)*
 - *Leadership onboard, use of WAWF (415 also using)*

Successes / Lesson's Learned

- *Contractor organization and structure may have to change to support IUID*
- *Initial Contractor pricing usually prices in the unknown (resource requirement often too high)*
- *Must hold vendors to IUID clauses and work with them to ensure timely implementation*
- *Adverse environments may require a different 2D barcode marking solution*

Team Sub's IUID Next Steps

- *Obtain SEA04 approval on all Team Sub IUID implementation Plans*
- *Find a 2D Barcode solution for Towed Systems*
- *Select IUID Implementation option for VA Class*
- *Continue working with NAVICP and PM to contract IUID marking for spares and during repairs*

Recap / Summary

- *Great Implementation Success with some Programs*
- *When Leadership is onboard implementation is not impossible*
- *IUID community has to better articulate the benefits of IUID to the Navy*
- *Leadership has to lead the way to ensure the Navy is compliant.*